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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/888,110	06/22/2001	Jagadish Bandhole	020706-000510US	7964
33031	7590	12/22/2005	EXAMINER	
CAMPBELL STEPHENSON ASCOLESE, LLP 4807 SPICEWOOD SPRINGS RD. BLDG. 4, SUITE 201 AUSTIN, TX 78759			SHINGLES, KRISTIE D	
			ART UNIT	PAPER NUMBER
			2141	

DATE MAILED: 12/22/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No. 09/888,110	Applicant(s) BANDHOLE ET AL.	
	Examiner Kristie Shingles	Art Unit 2141	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 06 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-24 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

*Applicant has amended claims 1 and 5.
Claims 1-24 are pending.*

Response to Arguments

1. Applicant's arguments, see Remarks filed 10/06/2005 with respect to the rejections of claims 1, 5 and 18 under 35 USC 102(e), have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of *Butler* (US 6,584,493).

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. **Claims 1-11, 13, 14 and 18-21** are rejected under 35 U.S.C. 102(e) as being anticipated by *Butler* (USPN 6,584,493).

a. **Per claim 1, *Butler* teaches a method for collaborative computing in a system the method comprising:**

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- allocating resources of a dynamic computing environment using a first user interface, wherein the dynamic computing environment comprises at least one resource (Abstract, col.4 line 28-col.5 line 10, col.6 lines 22-49; provision for memory allocation and applications);
- sharing the at least one resource between the first user interface and the second user interface (col.5 lines 39-67, col.9 lines 53-65);
- executing an application on the at least one allocated resource using either the first user interface or the second user interface (col.4 line 28-col.5 line 10, col.5 lines 39-67, col.11 lines 28-40; provision for application-sharing with the allocated memory of each member/participant);
- transferring information generated by execution of the application to the first user interface (col.6 lines 1-35, col.11 lines 1-44, col.18 line 1-col.19 line 37); and
- transferring the information generated by execution of the application to the second user interface in response to a command to collaborate with the second user interface (col.11 lines 28-65, col.14 line 15-col.15 line 24, col.16 lines 8-56, col.19 line 7-col.20 line 57).

b. **Per claim 5, *Butler*** teaches a method for providing sharing of a software process among multiple users, the method comprising:

- using a resource computer to transmit information about execution of the process to a first user computer, wherein the resource computer executes the process in a first location (col.4 line 28-col.5 line 10, col.5 lines 39-67, col.6 lines 22-49, col.9 lines 53-65), and
- a first user operates the first user computer in a second location (Abstract, col.4 line 28-col.5 line 10, col.6 lines 22-49, col.19 lines 38-67); and
- using the resource computer to transmit information about the execution of the process to a second user computer, wherein a second user operates the second user computer in a third location, and (col.4 line 28-col.5 line 10, col.5 lines 39-67, col.11 lines 28-40, col.20 lines 28-46)
- the first user computer and the second user computer comprise a distributed computing environment (Abstract, col.14 line 15-col.15 line 24, col.16 lines 8-56, col.19 line 7-col.20 line 57, col.23 line 60-col.24 line 3).

c. **Claim 18** contains limitations that are substantially similar to claim 5 and is therefore rejected under the same basis.

d. **Per claim 2**, *Butler* teaches the method of claim 1, further comprising modifying the information in the first user interface by interacting with the at least one shared resource through the first user interface (col.4 line 61-col.5 line 55).

e. **Claim 9** is substantially similar to claim 2 and is therefore rejected under the same basis.

f. **Per claim 3**, *Butler* teaches the method of claim 1, further comprising modifying the information in the second user interface by interacting with the at least one shared resource through the second user interface (col.5 lines 56-67).

g. **Claim 10** is substantially similar to claim 3 and is therefore rejected under the same basis.

h. **Per claim 4**, *Butler* teaches the method of claim 1, further comprising switching control to modify the information between the first and second user interface (col.5 lines 39-67, col.18 line 44-col.19 line 37).

i. **Claims 8 and 11** are substantially similar to claim 4 and are therefore rejected under the same basis.

j. **Per claim 6**, *Butler* teaches the method of claim 5, further comprising controlling the resource computer with the first user computer (col.6 lines 1-62).

k. **Per claim 7**, *Butler* teaches the method of claim 5, further comprising controlling the resource computer with the second user computer (col.6 lines 1-62).

l. **Per claim 13**, *Butler* teaches the method of claim 5, wherein the shared software process is a user interface controller (col.5 lines 27-43, col.6 lines 50-62, col.9 line 30-col.10 line 64, col.11 lines 45-53).

m. **Claim 14** is substantially similar to claim 13 and is therefore rejected under the same basis.

n. **Per claim 19**, *Butler* teaches the system of claim 18, wherein the dynamic computing environment is remotely located from the second and third location (col.6 lines 1-35).

o. **Claim 20** is substantially similar to claim 19 and is therefore rejected under the same basis.

p. **Claim 21** is substantially similar to claims 4 and 13 and is therefore rejected under the same basis.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. **Claims 15-17, 23 and 24** are rejected under 35 U.S.C. 103(a) as being unpatentable over *Butler* (USPN 6,584,493) in view of *Ansberry et al* (USPN 5,887,170).

a. **Per claim 16**, *Butler* teaches the method of claim of 5 as applied above, yet fails to explicitly teach the method wherein the system is used in technical support. However, *Ansberry et al* disclose the usability of the system extended to collaborative and non-

collaborative distributed computing environments where a conferencing session may be manipulated, thus the examples demonstrate technical support and teamwork situations which may also be implemented in training or usability studies (col.7 line 66-col.8 line 31).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of *Butler* and *Ansberry et al* for the purpose of implementing the system in training, technical support or usability studies environments since these the collaborative and cooperative nature of system would be ideal in such environments linking together users and devices across a network.

b. **Claims 15, 17, 23 and 24** are substantially similar to claim 16 and are therefore rejected under the same basis.

6. **Claim 12** is rejected under 35 U.S.C. 103(a) as being unpatentable over *Butler* (USPN 6,584,493) in view of *Moayyad et al* (USPN 6,690,400).

Per claim 12, *Butler* teaches the method of claim 5 as applied above, yet fail to explicitly teach the method wherein the shared software process is an operating system. However, *Moayyad et al* disclose the sharing of operating systems (col.2 lines 40-52 and col.5 lines 9-49).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to combine the teachings of *Butler* and *Moayyad et al* for the purpose of provisioning the sharing of operating systems as an accessible allocated resource by a user; because it provides users the freedom to access and experience different operating systems without having to only use software-specific to only one operating system, the user would in turn be able to run various types of software programs upon accessing the appropriate shared

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operating system. Also beneficial to the user is the ability to have more than one operating system on a computer without having to maintain or purchase multiple computers.

Conclusion

7. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure: *Ludwig et al* (US 6,959,322), *Ohkado et al* (US 6,668,276), *Hwang et al* (US 6,624,827).


8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristie Shingles whose telephone number is 571-272-3888. The examiner can normally be reached on Monday-Friday 8:30-6:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rupal Dharia can be reached on 571-272-3880. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Kristie Shingles
Examiner
Art Unit 2141

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SUPERVISOR, PATENT EXAMINER